

Title (en)  
FORCE-TRANSMITTING UNIT COMPRISING A WAVED RETAINING RING

Title (de)  
KRAFTÜBERTRAGUNGSAGGREGAT MIT GEWELLTEM SICHERUNGSRING

Title (fr)  
ENSEMBLE DE TRANSFERT DE FORCE A BAGUE D'ARRET ONDULEE

Publication  
**EP 1738088 A1 20070103 (DE)**

Application  
**EP 05742774 A 20050418**

Priority  

- EP 2005004094 W 20050418
- EP 04009398 A 20040421
- EP 05742774 A 20050418

Abstract (en)  
[origin: EP1589244A1] The unit (1) is assembled of a clutch disk (3) and a carrying element (2) both provided with complementary shaped toothed outer edges (7, 8). A corrugated circular spring element (11, 12) is inserted between both components (2, 3), accommodated inside a groove (13). The frictional forces created by the pressure between the three elements (2, 3, 11) prevent a relative motion of the parts. There could also be several spring elements (11) distributed around the disk (3).

IPC 8 full level  
**F16B 21/18** (2006.01); **F16D 1/116** (2006.01); **F16D 13/64** (2006.01)

CPC (source: EP KR US)  
**F16B 21/18** (2013.01 - KR); **F16D 1/116** (2013.01 - EP KR US); **F16D 13/64** (2013.01 - KR); **F16D 13/644** (2013.01 - EP US)

Citation (search report)  
See references of WO 2005103519A1

Designated contracting state (EPC)  
DE FR GB IT

DOCDB simple family (publication)  
**EP 1589244 A1 20051026; EP 1589244 B1 20071003**; DE 502004005130 D1 20071115; EP 1738088 A1 20070103; JP 2007533930 A 20071122; KR 20070012482 A 20070125; US 2008011571 A1 20080117; WO 2005103519 A1 20051103

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**EP 04009398 A 20040421**; DE 502004005130 T 20040421; EP 05742774 A 20050418; EP 2005004094 W 20050418; JP 2007508814 A 20050418; KR 20067023894 A 20061114; US 58706907 A 20070806